METHOD AND SYSTEM FOR SYNCHRONIZING ISOCHRONOUS DATA ON TRANSMIT OVER THE IEEE 1394 BUS FROM CONTENT UNAWARE DEVICES

ABSTRACT OF THE DISCLOSURE

The present invention generally relates to synchronization of isochronous data. More specifically, the present invention relates to method and system for synchronizing isochronous data on transmit over IEEE 1394 bus from content unaware devices. In an exemplary embodiment, the system includes an isochronous data processor (IDP) which is controlled by a firmware control. The IDP receives data packets from a device and inserts a data marker at the beginning of each packet. Each data marker and the associated packet are then stored onto a hard disk. When data are retrieved from the hard disk, the IDP uses the data markers to synchronize data delivery to a requesting device so that data delivery is started on a packet which represents the start of a frame. In the event that a packet within the data stream is corrupted, the IDP also uses the data markers to re-synchronize data delivery so that data delivery is re-initiated on a packet which represents the start of the next frame.

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